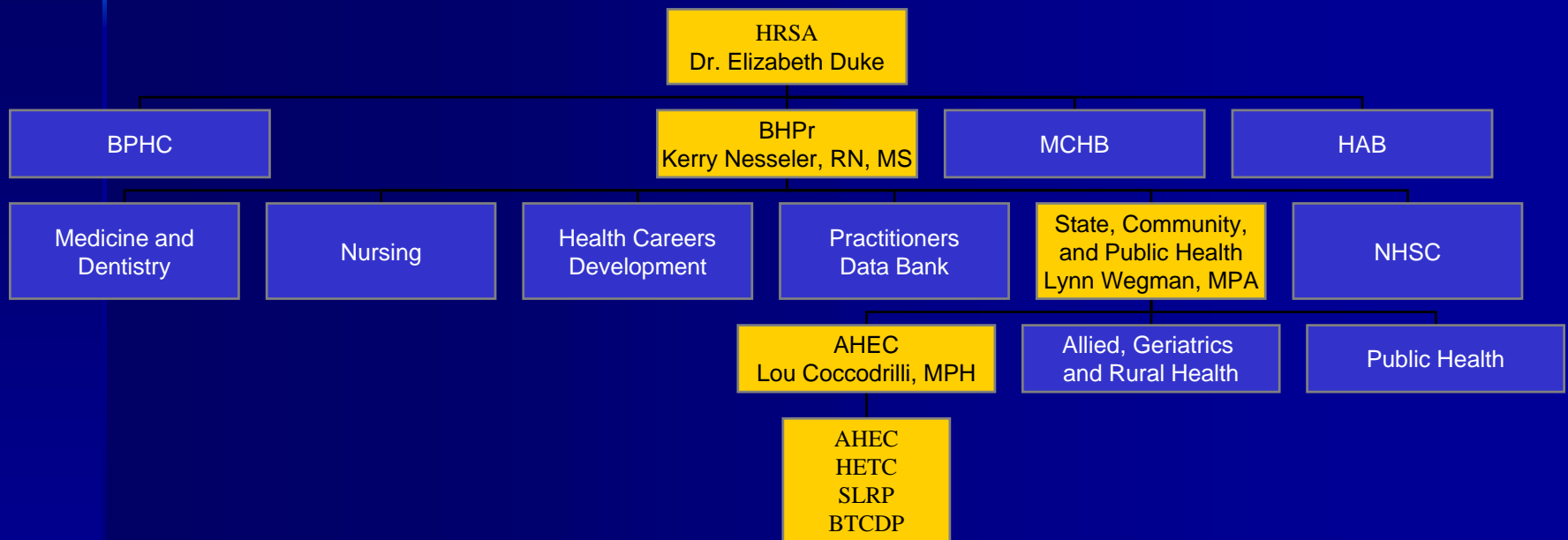


# Bioterrorism Training and Curriculum Development Program (BTCDDP): Briefing to the Secretary's Council on Public Health Preparedness

September 22, 2003

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# Health Resources and Services Administration (HRSA)



# Bureau of Health Professions (BHP<sub>r</sub>)

*Mission: To increase health care access by assuring a health professions workforce that meets the needs of the public.*

## ■ Strategies:

- Develop the health professions workforce through research, analysis, and planning
- Improve distribution and diversity of health professionals to rural/urban underserved areas
- Improve the quality of health professions practice and education
- Focus on key 21st century health professions issues: geriatrics, genetics, diversity/distribution, & bioterrorism

# Public Health Security and Bioterrorism Preparedness and Response Act of 2002

- Public Law 107-188, Section 319F (g)
- Signed June 12, 2002 for FY 2003-2006
- Bioterrorism Training and Curriculum Development Program (BTCDDP)



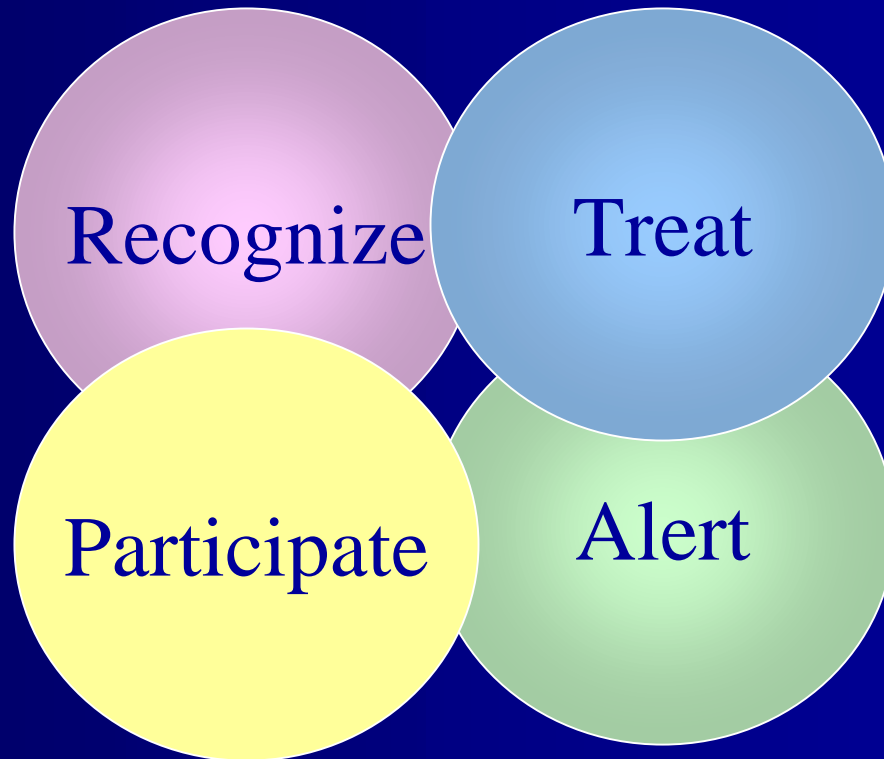
# Section 319F(g) Education of Health Care Personnel; Training Regarding Pediatric Issues

- A. Development of materials for teaching the elements of a core curriculum for recognition of agents and for care of victims of such emergencies.
- B. Development of a core curriculum for community-wide planning to respond to a bioterrorist attack or other public health emergency.

# Section 319F(g) Education of Health Care Personnel; Training Regarding Pediatric Issues (cont.)

- c. Development of materials for proficiency testing of laboratory and other personnel.
- c. Dissemination and teaching of the materials in A through C above by appropriate means, including telemedicine and long-distance learning.

# Bioterrorism Training and Curriculum Development



# Purpose

- Development of a health care workforce that possesses the Knowledge Skills, and Abilities (KSAs) to:
  - Recognize indications of a terrorist event
  - Treat patients and communities in a safe and appropriate manner
  - Participate in a coordinated multi-disciplinary community response
  - Alert the public health system rapidly and effectively

# Bioterrorism Training and Curriculum Development

FY 2003 President's Budget	House Budget	Senate Budget	FY 2003 Appropriation	FY 2004 President's Budget
\$60 M	\$54 M	\$55 M	\$28 M	\$60 M

# Two Separate BTCDP Components

- Provision of Continuing Education for Practicing Providers
- Curricular Enhancement/Curriculum Development in Health Professions Schools

# Continuing Education & Curriculum Development Eligible Entities

- Academic health centers
- Other public/private health professions schools
- Professional organization accrediting bodies
- Faith-based organizations and community-based organizations
- Consortia

# Continuing Education & Curriculum Development Awards will be funded to:

- Develop/Revise and implement training reflecting a two-tiered curriculum:
  - Discipline-appropriate clinically-oriented material
  - Response team coordination and collaboration to terrorist events
    - Roles & responsibilities
    - Drills, exercises, simulations

# Continuing Education Proposed Awardees and Linkages

- Provide training to a wide range of health professionals to prepare them to participate in an emergency
- Demonstrate relationships with:
  - CDC Public Health Preparedness and Response for Bioterrorism Program awardees
  - HRSA Bioterrorism Hospital Preparedness Program awardees
  - Major Metropolitan Response System awardees
  - Others that provide emergency preparedness and response training

# Curriculum Development

- Adapt/refine existing curricula or, if necessary, develop new curriculum addressing their students' knowledge, skills and abilities to: Recognize, Treat, Participate and Alert
- Pilot and evaluate the curriculum
- Incorporate the training into their required overall curriculum within 2 years

# Bioterrorism Training and Curriculum Development Program (BTCDDP)

- 176 Competing Applications in FY 03
  - 108 Continuing Education (CE)
    - 64 Approved
    - 44 Disapproved
  - 68 Curriculum Development (CD)
    - 40 Approved
    - 28 Disapproved

# BTCDP FY 03

- Available funds: \$26.5 M
  - Total CE: \$22.3
  - Total CD: \$4.2
- Awards: 31
  - Total CE: 19
  - Total CD: 12
- Estimated Trainees: 160,000
  - Total CE: 146,700
  - Total CD: 13,300

# Continuing Education FY 03 Awards

- CE Cooperative Agreements Awards: 19
  - Total CE Budget: \$22,344,500
  - Range of Awards: \$399,597 - \$1.8 M
  - Average Award: \$1.2 M
  
  - Average # of Disciplines: 7
  - Estimated CE Trainees: 146,700

# Continuing Education FY 03 Awardees

- AR: Univ. of Arkansas for Medical Sciences
- CA: Univ. of California: San Francisco
- CO: Denver Health and Hospital Authority
- CT: Yale New Haven Health System
- IL: Metropolitan Chicago Hospital Council
- KS: Univ. of Kansas Medical Center
- KY: Univ. of Louisville Research Foundation
- MT: St. Vincent Foundation
- ND: Univ. of North Dakota

# Continuing Education

## FY 03 Awardees

- NJ: Univ. of Medicine and Dentistry of New Jersey
- NM: Univ. of New Mexico Health Science Center
- NY: The Trustees of Columbia University
- OK: Oklahoma Area Health Education Center
- PA: Thomas Jefferson University Hospital
- SC: Medical University of South Carolina
- TN: Univ. of Tennessee Health Science Center
- TX: Univ. of Texas Health Science Center at Houston
- VA: Virginia Commonwealth University
- WV: West Virginia University

A map of the United States with states colored in orange or green. Orange states include: California, Nevada, Arizona, New Mexico, Texas, Oklahoma, Kansas, Nebraska, Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, New York, New Jersey, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, Maine, Alaska, and Hawaii. Green states include: Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Arizona, New Mexico, Texas, Oklahoma, Kansas, Nebraska, Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, New York, New Jersey, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, Maine, Alaska, and Hawaii. The map also shows the District of Columbia and Puerto Rico (PR) in green.

Legend:

- CE Awardees
- States with approved CE apps.

PR

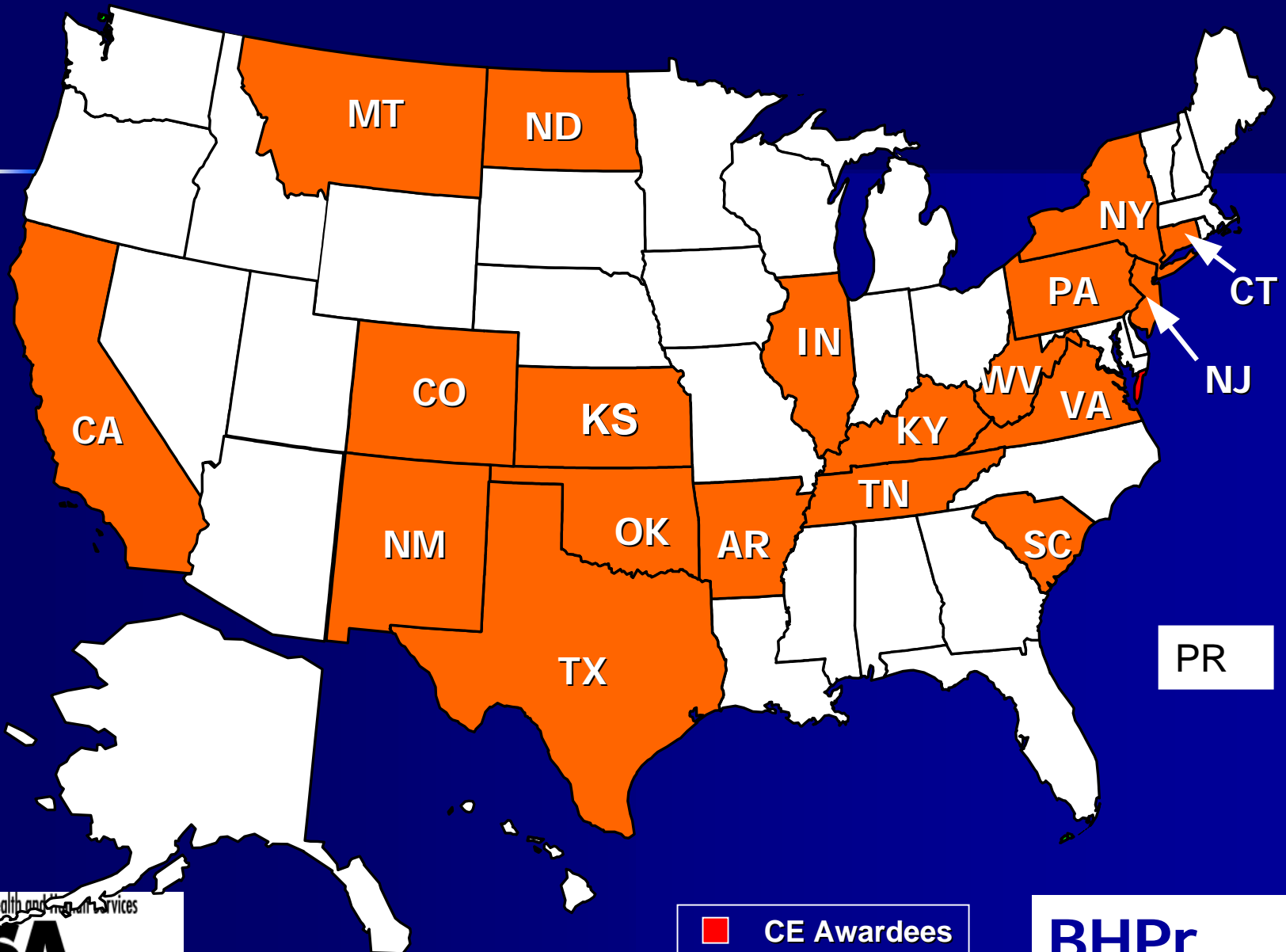
Health and Human Services

BHPr

**CE Awardees**

■ States with approved CE apps.

# BTCDP FY 03 CE Awardees



# Continuing Education Targeted Trainees

Target Profession	Initial Estimate of CE Trainees	Current Estimate of CE Trainees
NHSC Providers	500	# Not specified
Health Center Administrators	500	825
Allied Health Providers	5,000	10,091
Nursing	10,000	67,034
Medicine	10,000	34,505
Nurse Practitioners	1,000	285
Physician Assistants	1,000	623
Dentists	1,000	4,174
Pharmacists	1,250	4,238
Mental Health Providers	1,500	4,728
Public Health Providers	1,000	860
Others to include EMS and Veterinarians	5,250	19,354
<b>Total</b>	<b>38,000</b>	<b>146,717</b>

# Continuing Education Linkages

Linkage with:	Number:
HRSA Hospital Preparedness Program	17
CDC Public Health Preparedness	17
Major Metropolitan Response System	16
Area Health Education Centers	7
Community Health Centers	5
Public Health Training Centers	5
Indian Health Service Sites	4
National Health Service Corps Sites	3

# Continuing Education Range of Activities

- 1-2 hour courses via web or on-site
- 4-8 hour courses on-site
- 40 hour courses on-site
- Multi-disciplinary coordinated drills

# Curriculum Development FY 03 Awards

- CD Cooperative Agreements Awards: **12**
  - Total CD Budget: \$4,221,541
  - Range of Awards: \$201,454 - \$459,222
  - Average Award: \$351,795
  - Estimated CD Student Trainees: 13,300

# Curriculum Development FY 03 Awardees

- University of Arkansas for Medical Sciences
- Regents for the University of California
- University of Hawaii, John A. Burns Medical School
- Board of Trustees at the University of Illinois
- University of Montana
- Regents for the University of Nebraska Medical Center
- Trustees of Columbia University
- Ohio State University Research Foundation
- Vanderbilt University Medical Center
- University of Texas HSC-San Antonio
- Shenandoah University (VA)
- University of Washington

# Curriculum Development Disciplines

- Primary Disciplines:
  - 4 Medicine
  - 2 Nursing
  - 3 Allied Health
  - Other Primary Disciplines:
    - 1 Multiple Health Professions
    - 1 Pharmacy
    - 1 Public Health

# Curriculum Development Disciplines

## ■ Secondary Disciplines

- Dentistry
- EMS/EMT
- Medical Technician
- Nutrition
- Physical Therapy
- Physician Assistant
- Social Work
- All primary disciplines are also listed as secondary disciplines

# Curriculum Development

## Targeted Trainees

Target Disciplines	CD Estimated Trainees
Allied Health	4,589
Nursing	2,741
Medicine	2,309
Nurse Practitioner	20
Physician Assistants	30
Dentistry	670
Pharmacy	1,329
Mental Health	43
Public Health	482
EMS/EMT	210
Other	1,037
<b>Total</b>	<b>13,460</b>

# Curriculum Development Range of Activities

- Involvement of primary discipline and two secondary disciplines
- Modification of existing curricula
- Development of new curricula
- Implementation by primary discipline into existing core curriculum
- Two year time frame

# Thank you

## Contact Information:

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